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Docket No.: 15115/223001

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of: Kazuaki Miyoshi et al.

Patent No.: 7,557,314

Issued: July 7, 2009

For: ROTATING-PRESSING OPERATION TYPE

ELECTRONIC PART AND ELECTRONIC DEVICE USING THIS ROTATING-PRESSING OPERATION TYPE ELECTRONIC PART

REQUEST FOR CERTIFICATE OF CORRECTION Certificate PURSUANT TO 37 CFR 1.322 9 2 2009

Branch JUL 2 2 7005

Attention: Certificate of Correction Branch Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir or Madam:

Upon reviewing the above-identified patent, Patentee noted a typographical error which should be corrected.

On the Cover Page:

On the Cover Page, section (56) References Cited, U.S. Patent Documents, U.S. Patent Number "6,194,643" should be --6,194,673--.

The error was not in the application as filed by applicants; accordingly no fee is required.

Patent No.: 7,557,314 Docket No.: 15115/223001

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Also enclosed, as evidence of the error, is a copy of the cover page as issued and a copy of the Information Disclosure Statement By Applicant as allowed. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Applicants believe no fee is due with this request. However, if a fee is due, please charge our Deposit Account No. 50-0591, under Order No. 15115/223001.

Dated: July 17, 2009

Respectfully submitted,

Bv

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(12) United States Patent Miyoshi et al.

(45) Date of Patent:

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US 7,557,314 B2

Jul. 7, 2009

(54) ROTATING-PRESSING OPERATION TYPE
ELECTRONIC PART AND ELECTRONIC
DEVICE USING THIS ROTATING-PRESSING
OPERATION TYPE ELECTRONIC PART

(75) Inventors: Kazuaki Miyoshi, Ritto (JP); Keiji Komiya, Koto-ku (JP); Takeshi

Miyasaka, Ritto (JP)

(73) Assignee: OMRON Corporation, Kyoto (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 527 days.

(21) Appl. No.: 10/576,435

(22) PCT Filed: Oct. 13, 2004

(86) PCT No.: PCT/JP2004/015059

§ 371 (c)(1),

(2), (4) Date: Apr. 19, 2006

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PCT Pub. Date: Apr. 28, 2005

(65) Prior Publication Data

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(30) Foreign Application Priority Data

Oct. 20, 2003 (JP) 2003-359243

(51) Int. Cl. *H01H 19/00* (2006.01)

(52) U.S. Cl. 200/14; 200/4

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

6,194,643 B1 2/2001 Sato Jun et al. (Continued)

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(Continued)

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International Search Report for PCT/JP2004/015059 dated Nov. 22, 2004 (2 pages).

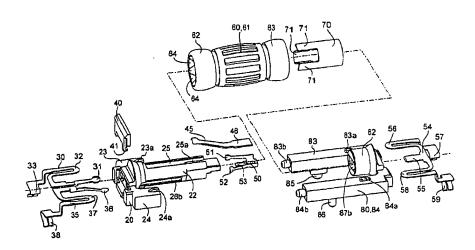
(Continued)

Primary Examiner—Michael A Friedhofer (74) Attorney, Agent, or Firm—Osha • Liang LLP

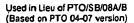
(57) ABSTRACT

A rotating and pressing operation type electronic component has a reduced size, but without lowering workability, reliability of contact, and operability, wherein an inner contract formed of a tubular conductor and formed by extending, parallel with each other; a plurality of extension parts from an opening edge part along the axis thereof at specified angular pitches is inserted into a rotating operation body and formed integrally therewith. The elastic contact parts of two contact pieces are disposed on the inner peripheral surfaces of the extension parts of the inner contact so as to contact these inner peripheral surfaces, and the elastic contact parts of a common contact piece are disposed on the inner peripheral surfaces of the inner contact excluding the extension part so as to be always brought into contact with the inner peripheral surfaces.

20 Claims, 27 Drawing Sheets









INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1

Complete if Known				
Application Number	10/576,435-Conf. #2417			
Filing Date	April 19, 2006			
First Named Inventor	Kazuaki Miyoshi			
Art Unit	N/A			
Examiner Name	Not Yet Assigned			
Attorney Docket Number	15115/223001			

U.S. PATENT DOCUMENTS					
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
tnitials* No.1	Number-Kind Code ² (if known)	**** **	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
/MF/	AA*	US-6 194 673-B1	02-27-2001	Sato Jun et al.	

FOREIGN PATENT DOCUMENTS						
Examiner tnitials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁴ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	٣
71011-9	BA	GB-1 537 028-A	12-29-1978	Plessey Co. Ltd.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not **EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **CITE NO.: Those application(s) which are marked with an single asterike (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. *Applicant's unique citation designation number (optional). **See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. **Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. **Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. **Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2	
/MF/	CA	Supplementary Search report for European patent application No. 04792300.8, dated March 5, 2007, 3 pages.		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



			
Examiner	/Michael Friedhofer/	Date	02/28/2009
Signature		 Considered	
			

^{&#}x27;Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is attached.

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Page _1_ of _1_

PATENT NO.

7,557,314

APPLICATION NO. :

10/576,435

ISSUE DATE

July 7, 2009

INVENTOR(S)

Kazuaki Miyoshi et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Cover Page:

On the Cover Page, section (56) References Cited, U.S. Patent Documents, U.S. Patent Number "6,194,643" should be --6,194,673--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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560771

Attorney Docket No.: 15115/223001



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Application No. (if known): 10/576,435

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